



FORM PTO-1449

ATTY. DOCKET NO.

10992786-1

SERIAL NO.

09/632,639

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

APPLICANT

Sampson, et al.

FILING DATE

July 31, 2000

GROUP

(Use several sheets if necessary)

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
J3	1A	4,883,750	Nov. 28, 1989	Whiteley et al.	435	6
	1B	4,988,617	Jan 29, 1991	Landegren et al.	435	6
	1C	5,242,794	Sep. 7, 1993	Whiteley, et al.	435	6
	1D	5,403,709	April 4, 1995	Agrawal et al.	435	6
	1E	5,494,810	Feb. 27, 1996	Barany et al.	435	91.52
	1F	5,521,065	May 28, 1996	Whiteley et al.	435	6
	1G	5,534,424	July 9, 1996	Uhlen et al.	435	91.2
	1H	5,595,890	Jan 21, 1997	Newton et al.	435	91.2
	1I	5,605,798	Feb 25, 1997	Koster	435	6
	1J	5,912,340	Jun 15, 1999	Kutyavin, et al.	536	24.5
	1K					

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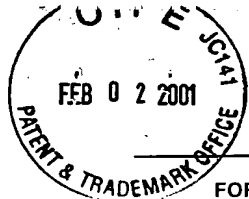
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	1M	WO 92/15712	17 Sep 1992	Goelet, et al.				
	1N	WO 97/35033	25 Sep 1995	Boyce-Jacino, et al.				
	1O	WO 97/12896	10 April '97	Kutyavin, et al.				
	1P							

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

J3	1Q	Bailly and Waring, "Transferring the Purine 2-Amino Group from Guanines to Adenines in DNA Changes the Sequence-Specific Binding of Antibodies", Nucleic Acids Research, 23: 885-892, 1995.
	1R	Bailly and Waring, "The Use of Diaminopurine to Investigate Structural Properties of Nucleic Acids and Molecular Recognition Between Ligands and DNA", Nucleic Acids Research, 26(19): 4309-4314, 1998.
	1S	Beaucage and Caruthers, "Deoxynucleoside Phosphoramidites - A New Class of Key Intermediates for Deoxypolynucleotide Synthesis", Tetrahedron Letters, 22: 1859-1862, 1981.

EXAMINER

DATE CONSIDERED



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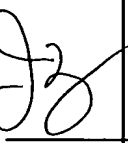
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	2Q	Belousov, Evgenity S., et al., "Sequence-Specific Targeting and Covalent Modification of Human Genomic DNA", Nucleic Acids Research, 25(17): 3440-3444, 1997.
	2R	Bloom, et al., "Influence of 5'-Nearest Neighbors on the Insertion Kinetics of the Fluorescent Nucleotide Analog 2-Aminopurine by Klenow Fragment", Biochemistry 32:11247-11258, 1993.
	2S	Chamberlein and Ryan, "Bacteriophage DNA-Dependent RNA Polymerases", The Enzymes, ed. Boyer, Academic Press, New York, 87-108, 1982.

EXAMINER

DATE CONSIDERED



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U.S. PATENT DOCUMENTS

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	3P							

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	3Q	Chee, et al., "Accessing Genetic Information with High-Density DNA Arrays", Science 274, 610-614, 1996.
	3R	Dubriel, Yolande Lemaigre, "Conformation and Structural Fluctuations of a 218 Nucleotides Long rRNA Fragment: 4-Thiouridine As An Intrinsic Photolabeling Probe", Nucleic Acids Research, 19/13:3653-3660, 1991.
	3S	Fathi et al., "Synthesis of 6-Substituted 2-Dioxyguanosine Derivatives Using Trifluoroacetic Anhydride in Pyridine", Tetrahedron Letters, 31-319-322, 1990.

EXAMINER

DATE CONSIDERED

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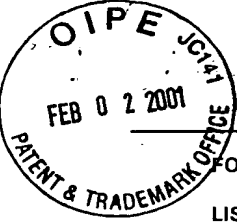
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	4Q	Feinberg and Vogelstein, "A Technique and Radiolabeling DNA Restriction Endonuclease Fragments to High Specific Activity", Analytical Biochemistry, 132:6-13, 1983.
	4R	Gall and Pardue, "Formation and Detection of RNA-DNA Hybrid Molecules in Cytological Preparations", Proc. Natl. Acad. Sci., USA., 63:378-383, 1969.
	4S	Gamper, et al., "Facile Preparation of Nuclease Restant 3' Modified Oligodeoxynucleotides", Nucleic Acids Res., 21:145-150, 1992.

EXAMINER

DATE CONSIDERED



FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 10992786-1	SERIAL NO. 09/632,639
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	5Q	Goodman, et al., "Biochemical Basis of DNA Replication Fidelity", Critical Review in Biochemistry and Molecular Biology, 28:83-126, 1993.
	5R	Gyllensten and Erlich, "Generation of Single-Stranded DNA by the Polymerase Chain Reaction and its Application to Direct Sequencing of the HLA-DQA Locus", Proc. Natl. Acad. Sci. USA., 85:7652-7656, 1988.
	5S	Haff and Smirnov, "Single-Nucleotide Polymorphism Identification Assays Using a Thermostable DNA Polymerase and Delayed Extraction MALDI-TOF Mass Spectrometry", Genome Research, 7:378-388, 1997.

EXAMINER 	DATE CONSIDERED 1/21/03
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

83	6Q	Horlacher, Jennifer, et al., "Recognition by Viral and Cellular DNA Polymerases of Nucleosides Bearing Bases with Nonstandard Hydrogen Bonding Patterns", Proc. Natl. Acad. Sci. USA, 92:6329-6333, 1995.
↓	6R	Hultman, et al., "Direct Solid Phase Sequencing of Genomic and Plasmid DNA Using Magnetic Beads as Solid Support", Nucleic Acids Research, 17: 4937-4946, 1989.
↓	6S	John, et al., "RNA-DNA Hybrids at the Cytological Level", Nature, 223:582-587, 1969.

EXAMINER

DATE CONSIDERED

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	7N							
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	7P							

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	7Q	Johnson, "Conformational Coupling in DNA Polymerase Fidelity", Annual Review in Biochemistry, 62:685-713, 1993.
	7R	Jones, "Oligonucleotide Synthesis, A Practical Approach", M. J. Gait Ed., IRL Press, 23-24, 1984.
	7S	Kozal, et al., "Extensive Polymorphisms Observed in HIV-1 Clade B Proteasae Gen Using High-Density Oligonucleotide Arrays", Nature Med. 7: 753-759, 1996.

EXAMINER

DATE CONSIDERED



FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 10992786-1	SERIAL NO. 09/632,639
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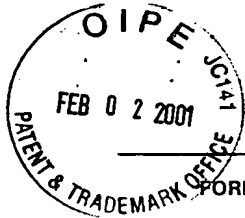
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	8Q	Kutyavin et al., "Oligonucleotides Containing 2-Amino-adenine and 2-Thiothymine Act as Selectively Binding Complementary Agents", Biochemistry, 35:11170-11176, 1996.
	8R	Kutyavin, Igor, V., et al., "Oligonucleotides with Conjugated Dihydropyrroloindole Tripeptides: Base Composition and Backbone Effects on Hybridization", Nucleic Acids Research, 25(18):3718-3723, 1997.
	8S	Landegren, et al., "Reading Bits of Genetic Information: Methods for Single-Nucleotide Polymorphism Analysis" Genome Research, 8: 769-776, 1998.

EXAMINER 	DATE CONSIDERED 9/20/03
--------------	-----------------------------------



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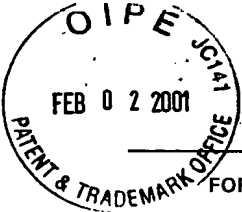
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

83	9Q	Langer, et al., "Enzymatic Synthesis of Biotin-Labeled Polynucleotides: Novel Nucleic Acid Affinity Probes", Proc. Natl. Acad. Sci., USA 78:6633-6637, 1981.
L	9R	Law, et al., "Spectroscopic and Calorimetric Characterizations of DNA Duplexes Containing 2-Aminopurine", Biochemistry 35: 12329-12337, 1996.
↓	9S	Ling, Yi-He, et al., "Consequences of 6-Thioguanine Incorporation into DNA on Polymerase, Ligase and Endonuclease Reactions", Molecular Pharmacology, 42:802-807, 1992.

EXAMINER

DATE CONSIDERED

9/20/03



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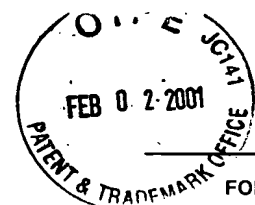
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	10	Little et al., "An Exonuclease Induced by Bacteriophage", J. Biol Chem. 242:672, 1967.
	10	Lockart, et al., "Expression Monitoring by Hybridization to High-Density Oligonucleotide Arrays", Nat. Biotech. 14: 1675-1680, 1996.
	10	Lukhtanov, Eugeny A., et al., "Rapid and Efficient Hybridization-Triggered Crosslinking Within a DNA Duplex by an Oligodeoxyribonucleotide Bearing a Conjugated Cyclopropapyrroloindole", Nucleic Acids Research, 24(4): 683-687, 1996.

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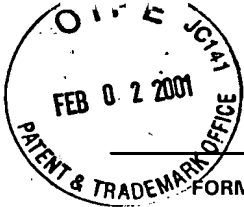
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83	11	Lukhtanov, Eugency A., et al., "Sequence and Structure Dependence of the Hybridization-Triggered Reaction of Oligonucleotides Bearing Conjugated Cyclopropapyrroloindole," J. Am. Chem. Soc., 119: 6214-6225, 1997.
↓	11	Lutz et al., "Differential Discrimination of DNA Polymerases for Variants of the Non-Standard Nucleobase Pair Between Xanthosine and 2, 4-Diaminopyrimidine, Two Components of an Expanded Genetic Alphabet", Nucleic Acids Research 24: 1308-1313, 1996.
↓	11	Melton, et al., "Efficient in Vitro Synthesis of Biologically Active RNA and RNA Hybridization Probes From Plasmids Containing a Bacteriophage SP6 Promoter", Nucleic Acids Research, 12:7035, 1984.

EXAMINER

DATE CONSIDERED



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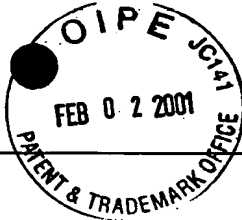
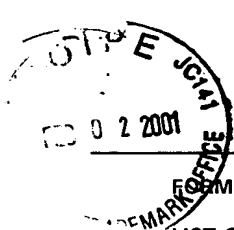
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	12	Milligan and Uhlenbeck, "Synthesis of Small RNAs Using T7 RNA Polymerase", Methods in Enzymology, 180A: 51-62, 1989.
	12	Mizusawa et al., "Improvement of the Dideoxy Chain Termination Method of DNA Sequencing by Use of Deoxy-7 Deazaguanosine Triphosphate in Place of dGTP", Nucleic Acids Research, 14:1319, 1986.
	12	Nikiforov et al., "Genetic Bit Analysis: A Solid Phase Method for Typing Single Nucleotide Polymorphisms", Nucleic Acids Research, 22: 4167-4175, 1994.

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DATE CONSIDERED



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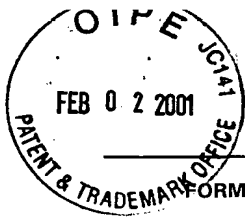
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	13	Pagratis, Nikos C., "Rapid Preparation of Single Stranded DNA from PCR Products by Streptavidin Induced Electrophoretic Mobility Shift", Nucleic Acids Research, 24: 3645-3646, 1996.
	13	Pastinen, et al., "Minisequencing: A Specific Tool for DNA Analysis and Diagnostics on Oligonucleotide Arrays" Genome Research, 7:606-614, 1997.
	13	Rackwitz and Scheit, "The Stereochemical Basis of Template Function", Eur. J. Biochem. 72:191, 1977.

EXAMINER

DATE CONSIDERED



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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	14	Robins, et al., "Nucleic Acid Related Compounds. 38. Smooth and High-Yield Iodination and Chlorination at C-5 of Uracil Bases and p-Toluy-Protected Nucleosides", Can. J. Chem., 60:554-557, 1982.
	14	Robins, et al., "Nucleic Acid Related Compounds. 39. Efficient Conversion of 5-Iodo to 5-Alkynyl and Derived 5-Substituted Uracil Bases and Nucleosides", J. Org. Chem., 48: 1854, 1983.
	14	Rudolph, Alan S. et al., "Water-Free Self-Assembly of Phospholipid Tubules", J.A. Chem. Soc., 111:8517-8519, 1989.

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DATE CONSIDERED

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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

83	15	Shumaker et al., "Mutation Detection by Solid Phase Primer Extension", Human Mutation, 7:346-354, 1996.
	15	Sinha, et al., "Polymer Support Oligonucleotide Synthesis XVIII: Use of B-Cyanoethyl-N,N-Dialkylamino-/N-Morpholino Phosphoramidite of Deoxynucleosides for the Synthesis of DNA Fragments Simplifying Deprotection and Isolation of the Final Product", Nucleic Acids Research, 12:4539-4557, 1984.
	15	Switzer, et al., "Enzymatic Recognition of the Base Pair Between Isocytidine and Isoguanosine", Biochemistry 32: 10489-10496, 1993.

EXAMINER

DATE CONSIDERED



PATENT APPLICATION

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FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
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APPLICANT

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REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
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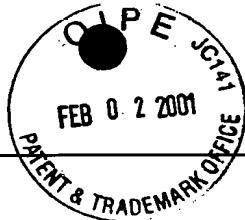
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	16	Wagner, et al., "Antisense Gene Inhibition by Oligonucleotides Containing C-5 Propyne Prymidines", Science, 260:1510-1513, 1993
	16	Wang, et al., "Large-Scale Identification, Mapping and Genotyping of Single-Nucleotide Polymorphisms in the Human Genome", Science, 280:1077-1082, 1998.
	16	Wang, et al., "An Ultraviolet Crosslink in the Hammerhead Ribozyme Dependent on 2-Thiocytidine or 4-Thiouridine Substitution", Nucleic Acids Research, 25(21): 4355-4361, 1997.

EXAMINER

DATE CONSIDERED



PATENT APPLICATION

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
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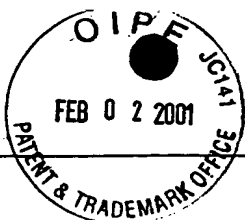
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							YES	NO
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	17	Williams and Bartel, "PCR Product with Strands of Unequal Length", Nucleic Acids Research, 23:4220-4221, 1995.
	17	Woo, et al., "G/C Modified Oligodeoxynucleotides with Selective Complementarity: Synthesis and Hybridization Properties", Nucleic Acids Research, 24:2475, 1996.
	17	Meyer, et al., "Efficient, Specific Cross-Linking and Cleavage of DNA by Stable, Synthetic Complementary Oligodeoxynucleotides", J. Am. Chem. Soc., 111: 8517-8519, 1989.

EXAMINER

DATE CONSIDERED



PATENT APPLICATION

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FORM PTO-1449

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U.S. PATENT DOCUMENTS

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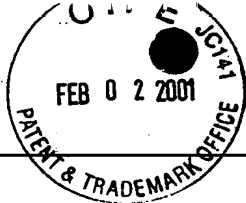
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	18	Kobayashi, "The Synthesis and Xanthine Oxidase Inhibitory Activity of Pyrazolo [3,4-d] Pyrimidines", Chem. Pharm. Bull. 21(5): 941-951, 1973.
	18	Higuchi, et al., "Production of Single-Stranded DNA Templates by Exonuclease Digestion Following the Polymerase Chain Reaction", Nucleic Acid Research, 17(14):5865, 1989.
	18	SantaLucia, J., "A Unified View of Polymer, Dumbbell, and Oligonucleotide DNA Nearest-Neighbor Thermodynamics", Proc. Natl. Acad. Sci. USA, 95: 1460-1465, 1998.

EXAMINER

DATE CONSIDERED



FORM PTO-1449

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APPLICANT'S INFORMATION DISCLOSURE
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GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

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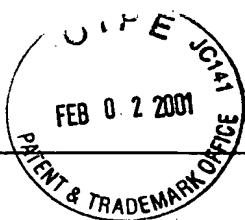
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

23	19	Wang, et al., "Large-Scale Identification, Mapping, and Genotyping of Single-Nucleotide Polymorphisms in the Human Genome", Science, 280: 1077-1082, 1998.
↓	19	Deamer, et al., "Nanopores and Nucleic Acids: Prospects for Ultrarapid Sequencing", Tibtech, 18: 147-151, April 2000.
↓	19	Antao, et al., "A Thermodynamic Study of Unusually Stable RNA and DNA Hairpins", Nucleic Acids Research, 19(21):5901-5905, 1991.

EXAMINER

DATE CONSIDERED



FORM PTO-1449

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GROUP

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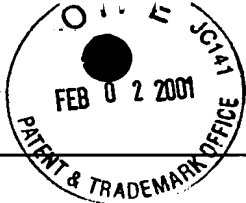
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	20	"A Technique for Radiolabeling DNA Restriction Endonuclease Fragments to High Specific Activity", Analytical Biochemistry, 137:266-267, 1984.
	20	Higuchi, et al., "Production of Single-Stranded DNA Templates by Exonuclease Digestion Following the Polymerase Chain Reaction", Nucleic Acids Research, 17(14):5865, 1989.
	20	Pagratis, Nikos, C., "Rapid Preparation of Single Stranded DNA from PCR Products by Streptavidin Induced Electrophoretic Mobility Shift", Nucleic Acids Research, 24(18):3645-3646, 1996.

EXAMINER

DATE CONSIDERED



FORM PTO-1449

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							YES	NO
	21							
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	21	Ramsay, Graham, "DNA Chips: State-of-the-Art", Nature Biotechnology, 16:41-44, January 1998.
	21	
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EXAMINER

DATE CONSIDERED